

## Claims

[c1] What is claimed is:

1.A light source cooling system having a double exhaust fan for a projector comprising:

a light source formed with an interior region and an exterior region;

a first exhaust fan; and

a second exhaust fan,

wherein the first exhaust fan and the second exhaust fan form two airstreams in the interior region and the exterior region respectively for cooperatively cooling the light source.

[c2] 2.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein both the first exhaust fan and the second exhaust fan are an axial exhaust fan.

[c3] 3.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the noise level caused by the first exhaust fan together with the second exhaust fan is equal to or lower than 35 dB.

[c4] 4.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the noise level caused by the first exhaust fan together with the second exhaust fan is equal to or lower than 32 dB.

[c5] 5.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the operational rotation speed of either the first exhaust fan or the second exhaust fan is equal to or lower than 3,000 r.p.m.

[c6] 6.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the operational rotation speed of either the first exhaust fan or the second exhaust fan is equal to or lower than 2,500 r.p.m.

[c7] 7.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the light source including a light core and an outer reflector surface, and the light source cooling system further comprising a blower that cooperatively operate with the first exhaust fan to generate a first airstream for cooling the light core, and the second exhaust fan generate a

**second airstream for cooling the outer reflector surface of the light source.**

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